VIC 20

TOTAL COMPUTING

PADDLES

FLOPPY DISK UNIT

-488 RIDGE

MEMORY EXPANSION BOARD

PRINTER

40 COLUMN CONVERSION

commodore

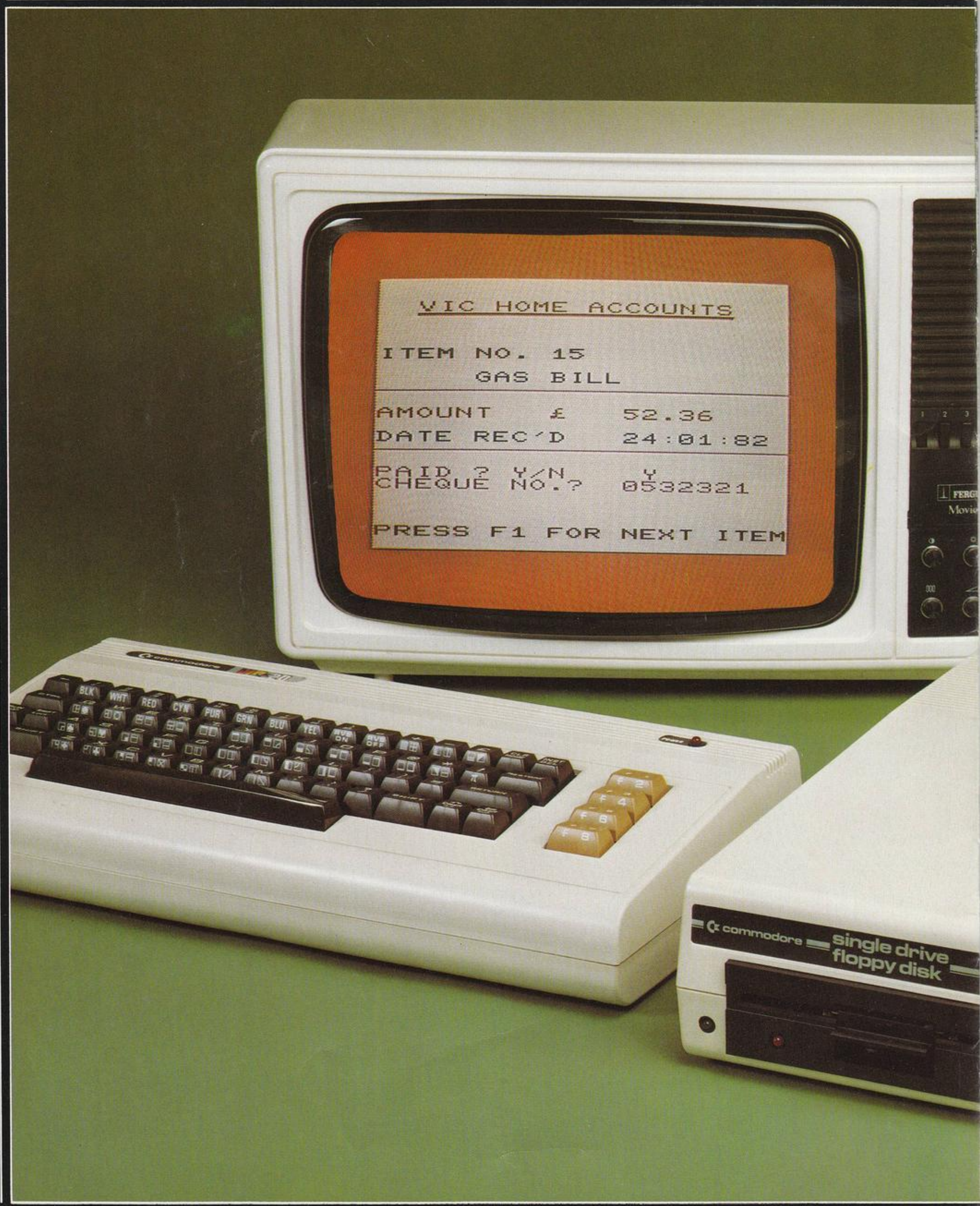
VIC 20

MACHINE CODE MONITOR

LIGHT PEN

commodore COMPUTER

3K RAM PACK


VIC HOME ACCOUNTS
ITEM NO. 15
GAS BILL
AMOUNT £ 52.36
DATE REC'D 24:01:82
PAID ? Y/N Y
CHEQUE NO.? 0532321
PRESS F1 FOR NEXT ITEM
commodore
single drive
floppy disk

VIC-20

THE VIC20 COMPUTER SYSTEM

The VIC 20 is a truly expandable computer system which allows the user to have as complex or simple a system as he requires. More importantly, it enables him to expand by simply adding additional items as his needs change. The VIC 20 is a very powerful computer but with the addition of a disk drive, a printer, an RS232 interface, memory expansion board and so on it can become a sophisticated tool for the businessman, teacher, professional or hobbyist.

Many VIC 20 computers are already being used in industry for business applications, as data entry terminals, for controlling robots and a myriad of other practical uses.

Whether the need is for word processing or as a medium for powerful graphic design the VIC 20 Computer System can provide these facilities.

The following pages contain just a brief summary of the add-on units available for the VIC. For more details or a demonstration see your local Commodore Computer Dealer.

VIC CASSETTE UNIT

The first item of additional equipment most VIC owners will want is a Cassette Unit. The VIC Cassette Unit provides the ideal storage medium for beginner users and simple applications. The Cassette Unit can be used to store data and programs or for loading prerecorded cassette programs. Every VIC Cassette Unit includes a free Presentation Program Cassette which contains 6 programs ranging from a 'Typing Trainer' to help you learn to type, to 'Mortsave', a program which calculates mortgages, loans, savings, etc.

Main features of the Cassette Unit are:—

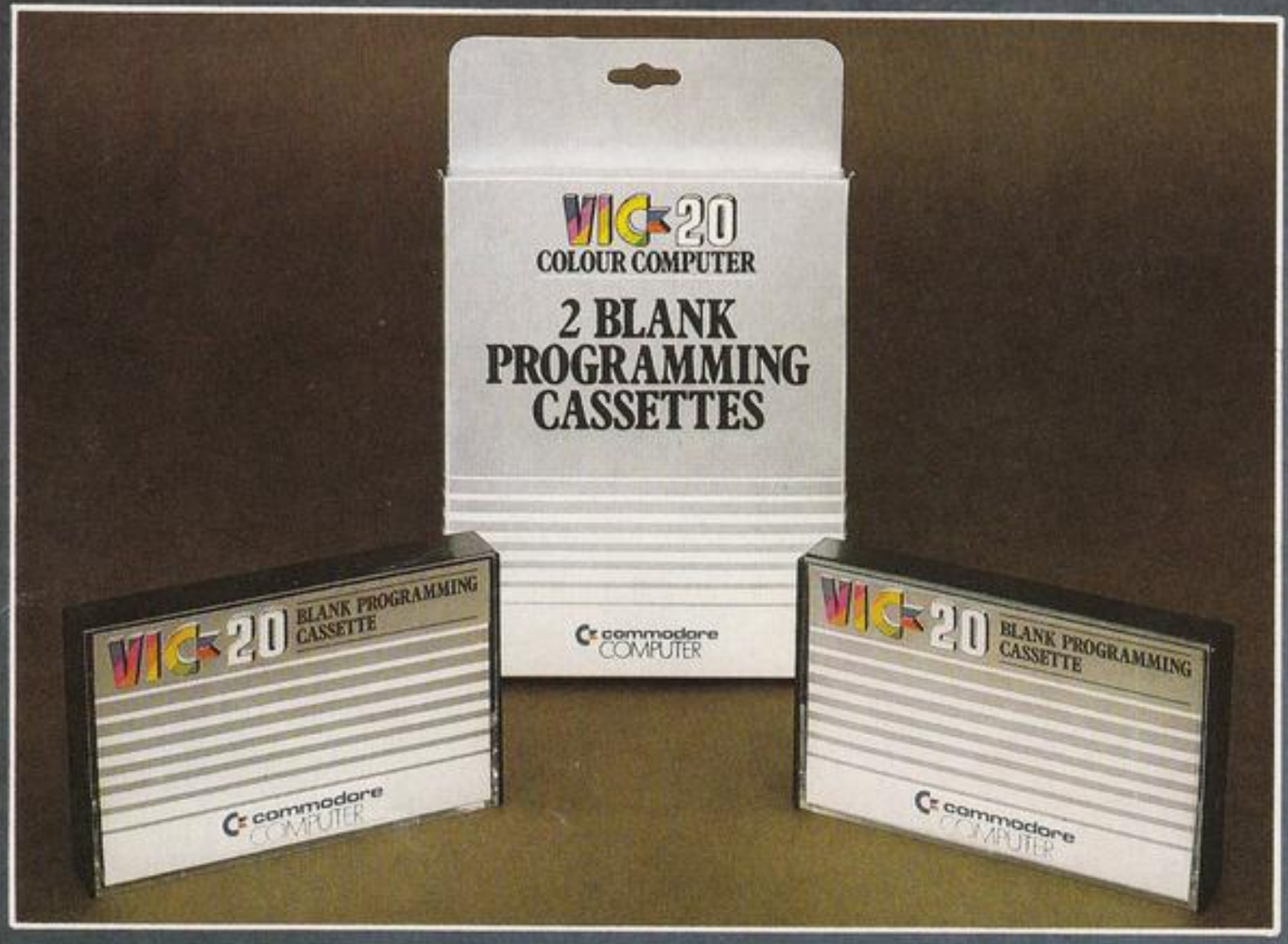
— Direct interface to the VIC (no additional power supply required).
— Tape counter.
— Specially balanced for the VIC Computer.
— Reliable/tested system.
— Uses standard audio cassettes.

PRE-RECORDED CASSETTE PROGRAMS

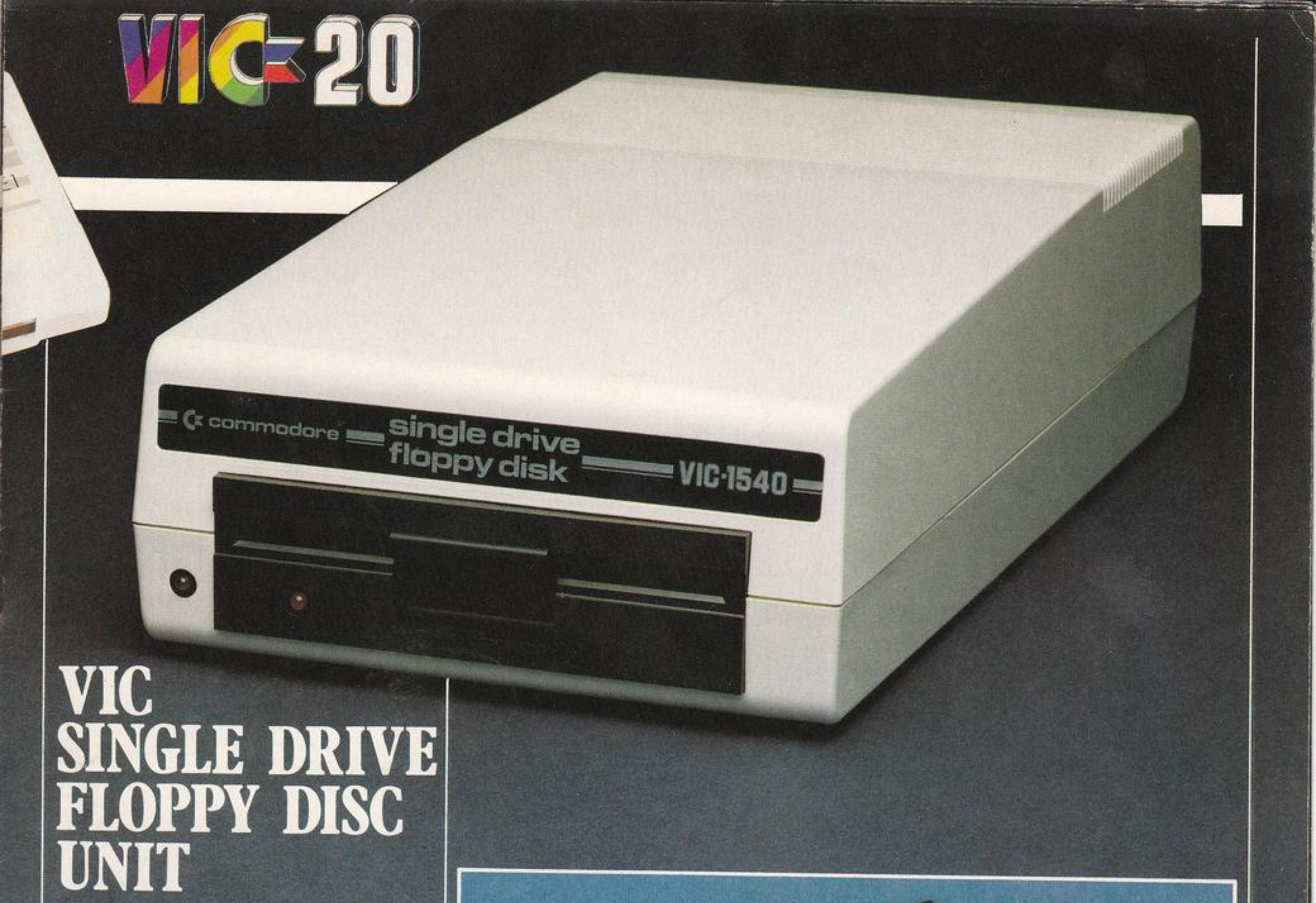
By purchasing the cassette unit the VIC 20 owner can select from a wide range of pre-recorded programs on cassettes produced by Commodore and other software houses. See your dealer for details of the range of programs available.

BLANK PROGRAMMING CASSETTES

VIC owners will soon be writing their own software programs and Commodore have produced high quality blank cassettes which are ideal for recording and saving your own programs.



VIC-20



VIC SINGLE DRIVE FLOPPY DISC UNIT

The Disk Unit enables the VIC owner to take advantage of the full potential of the VIC Computer System. It provides a fast, accurate and efficient method of storing and retrieving data and programs. By combining the disk unit with a printer the VIC 20 becomes the ideal computer system for the small businessman or serious computer programmer.

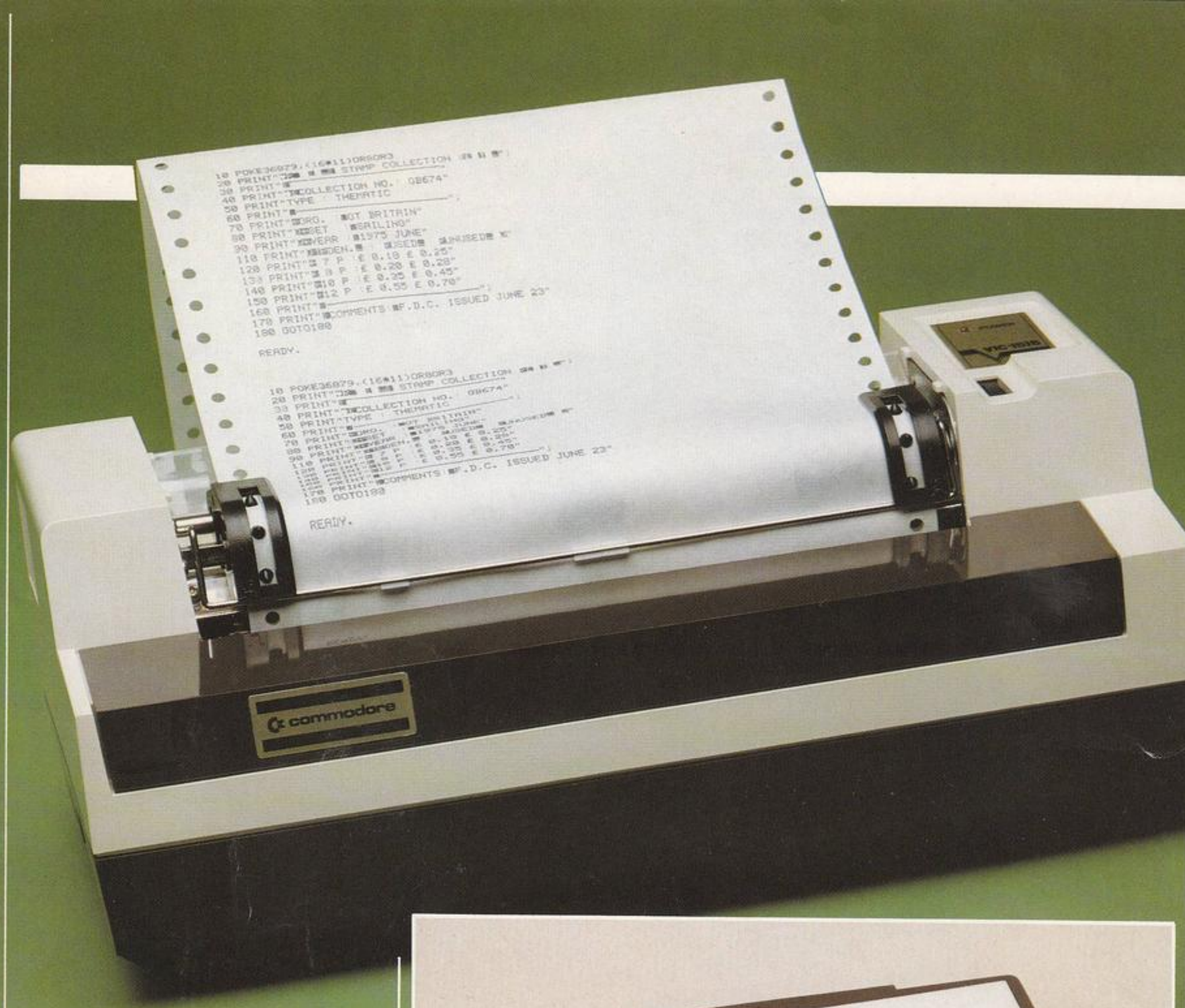
The main features include:—

— 174,848 bytes storage capacity.
— Uses standard 5¼" single density floppy disks (soft sectored).
— Direct interface to the VIC Computer (all leads/cables needed are included).
— Direct compatability with Printer
— Intelligent system which runs independently of the VIC. (Doesn't use VIC RAM to run the Floppy).
— Read/Write compatibility with some PET/CBM Computer Systems.

DISC BASED SOFTWARE

The disk unit enables sophisticated software programs to be used with the VIC 20 computer system. Software on diskette includes data management, stock control, simple word processing and much more.

Blank diskettes for saving programs or large amounts of data and information are readily available. See your local dealer for more details and a demonstration.



VIC PRINTER

Like all VIC peripherals the Printer has been produced to a very high specification at a very competitive price. The Printer can be used to make copies of programs, letters, business data, graphic displays and so on. The main features of the VIC Printer include:—

— 80 characters per line.
— Tractor feed dot matrix.
— 30 characters per second print speed.
— Full alphanumerics and graphic printing.
— Double size character printing.
— User defined graphics printing capability.
— All cables/leads necessary included.

RS232C TERMINAL TYPE INTERFACE CARTRIDGE

The Interface plugs directly into the User Port at the back of the VIC and provides the means to connect to other devices such as to telecommunications controllers. It enables the VIC to communicate with other computers and information sources through modems.

VIC-20

EXPANSION MEMORY CARTRIDGES

For those VIC owners wishing to expand the memory capacity of the VIC, special plug-in cartridges are available. Three different packs are available of:—

3K RAM

8K RAM

and 16K RAM

All plug directly into the VIC without the need for a Memory Expansion Board. RAM cartridges can be combined to expand the memory of the VIC to its maximum with the Memory Expansion Board.

MEMORY EXPANSION BOARD

This expansion board enables the VIC user to fully develop the VIC's capabilities. The board connects to the VIC Expansion Port and has its own separate power supply. The expansion board has 6 ports that enable simultaneous use of several cartridges. For example it is possible to use the 16K RAM pack, the Machine Code Monitor cartridge, the Super Expander and the Programmer's Aid package all at the same time. This makes it easy to write your own programs, debug them and save the finished product on cassette or disk.

JOYSTICK

The joystick can be used to make all those arcade-type games for the VIC even more enjoyable; but the joystick can have even more practical uses. It can be used with high resolution graphics to draw pictures or help with graph plotting, as well as a myriad of other uses which are only just beginning to be realised.

PADDLES

Like the joystick the paddles can be used for entertainment particularly with Pinball and Road Race, for example.

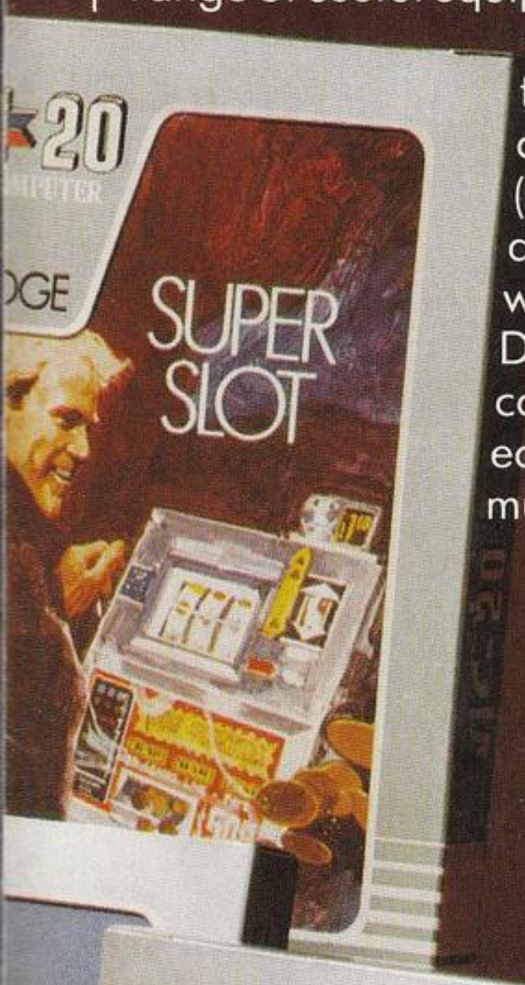
GAME CARTRIDGES

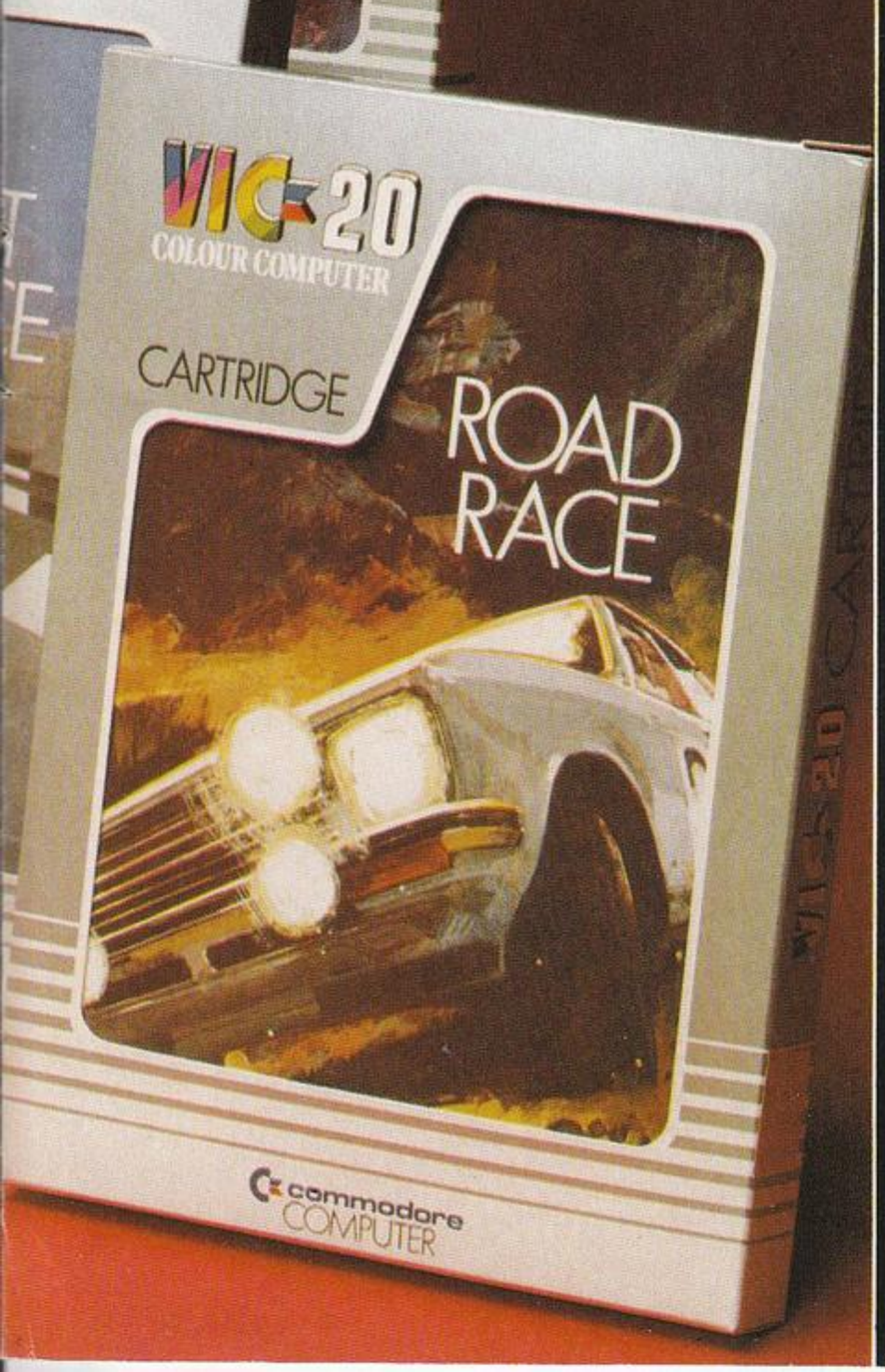
Commodore have selected the best arcade-type games for the VIC, and in many cases improved them. In addition, a new range of interreactive, 'intelligent' games have been developed: there are even several, complicated versions of the famous computer 'Adventure' games. These offer a real challenge, and take a great deal of time, skill, and mental agility to win. New cartridge and cassette based games are constantly being developed — look out for them!

VIC-20

VIC IEEE-488

This parallel IEEE-488 cartridge allows the VIC owner to use existing CBM peripherals and other IEEE-488 devices. This cartridge extends the range of useful equipment that can be used with the VIC to include large capacity disks (including hard disks), daisy-wheel printers, D-A and A-D converters, test equipment and much more.





PROGRAMMING AID CARTRIDGES

Commodore have produced three cartridges specifically to aid owners who write their own programs:—

SUPER EXPANDER

This Cartridge plugs directly into the Expansion Port of the VIC or into the Expansion Board and provides many extra graphic commands to make High Resolution graphics that much easier. Complete with an additional 3K RAM this Cartridge contains extra commands such as:—

Paint	Point	Character
Colour	Key	Circle
Draw	Region	Sound

The package also supports music and enables the user to define the Function Keys.

PROGRAMMER'S AID CARTRIDGE

This contains more than 20 new BASIC Commands to help both new and experienced programmers re-number, trace and edit BASIC programs. Any program can be traced line by line as it executes and the program can be paused to edit. A special KEY Command lets programmers redefine Function Keys as BASIC Commands, subroutines or new commands.

MACHINE CODE MONITOR

This is an essential for all Machine Code programmers. The Monitor helps write fast, efficient 6502 Assembly Language programs. Main features include:—

Hex Dump	Assembly
Register Display	Disassembly
Load and Save	Relocate
Walk	Breakpoint

COMING SOON

VIC 40 ADD-ON BOARD

For those VIC owners wishing to extend the capacity of the VIC 20 to include 40 column by 24 line display, Prestel compatibility and full 32K RAM there is an add-on expansion board that will do it all. Contact your local computer dealer to get the full details and a demonstration.

NEW VIC HARDWARE PERIPHERALS

Commodore are actively supporting and developing new hardware for the VIC 20. Throughout 1982 and 1983 hardware will be introduced to further extend the capacity of the VIC. Projects currently underway include Prestel/Tantel adaptor, voice synthesizer, robotic interface, VICNET communications system and many more.

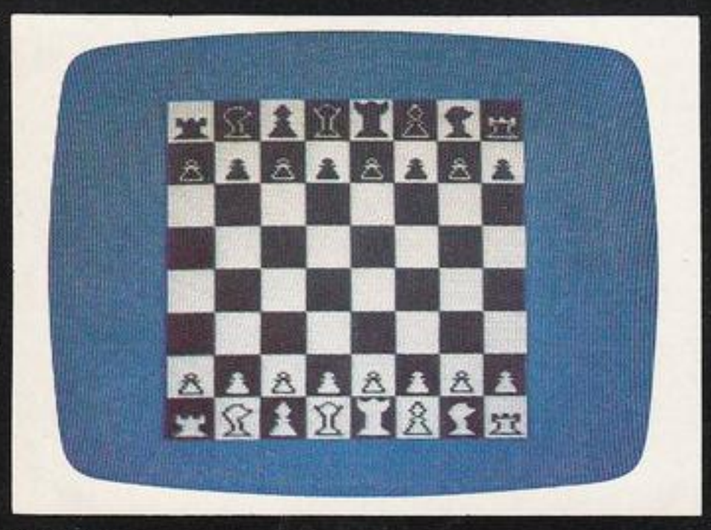
Information on these and many other peripherals will be available from the specialist computer press and at Commodore dealers.

VIC SOFTWARE

To make full use of the VIC 20 computer system, Commodore have already developed a wide range of software packages. As well as actively developing new Commodore software, Commodore are helping individuals and software companies to market their own VIC programs.

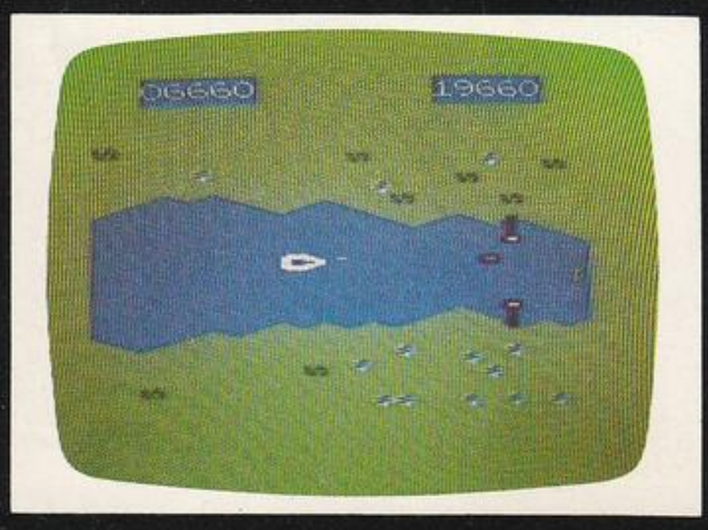
Whether it's for education, business, the home or entertainment there will be a software package to meet your needs. New software is being developed all the time so contact your nearest dealer for the latest update. To whet your appetite here are just a few of the software programs that are already available or are being developed.

ENTERTAINMENT



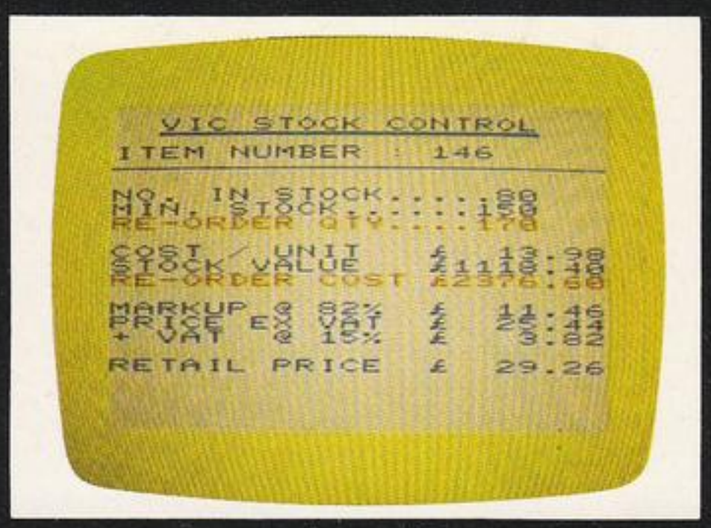
CHESS

ADVENTURE GAME

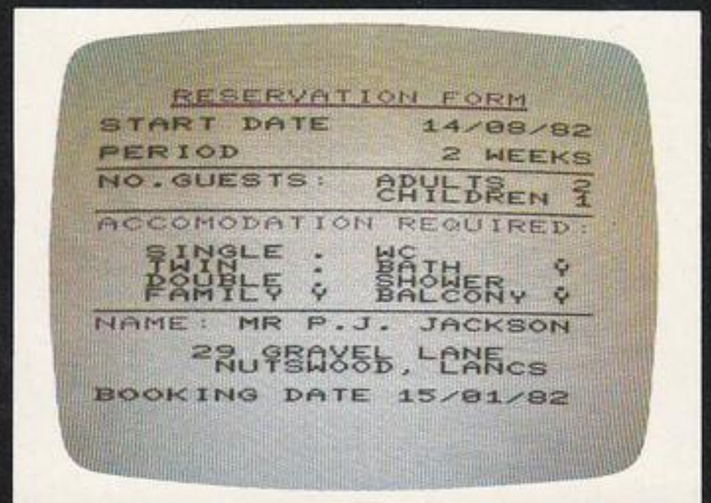


RIVER RESCUE

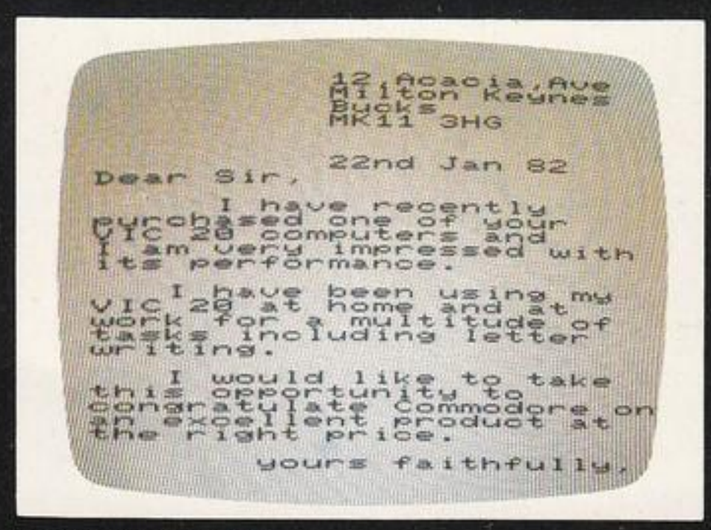
BUSINESS/HOME



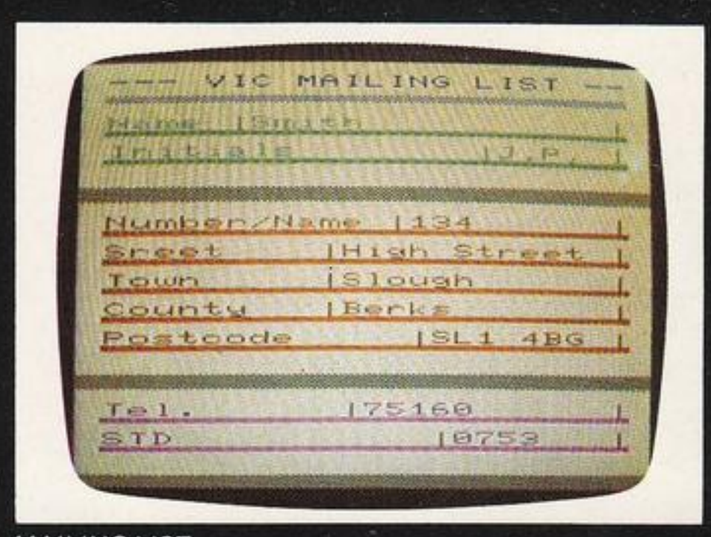
STOCK CONTROL



HOTEL RESERVATION



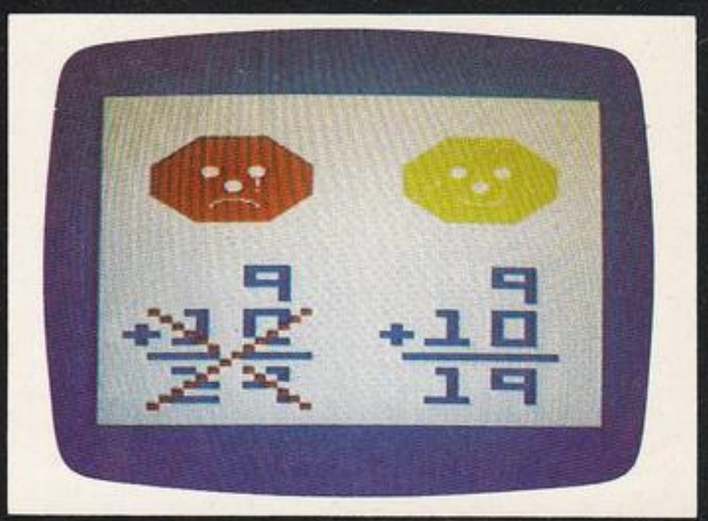
WORD PROCESSOR



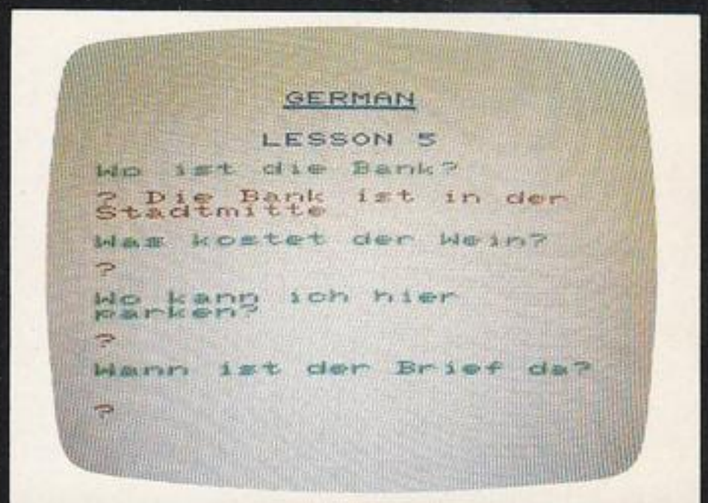
MAILING LIST

DIARY PLANNER

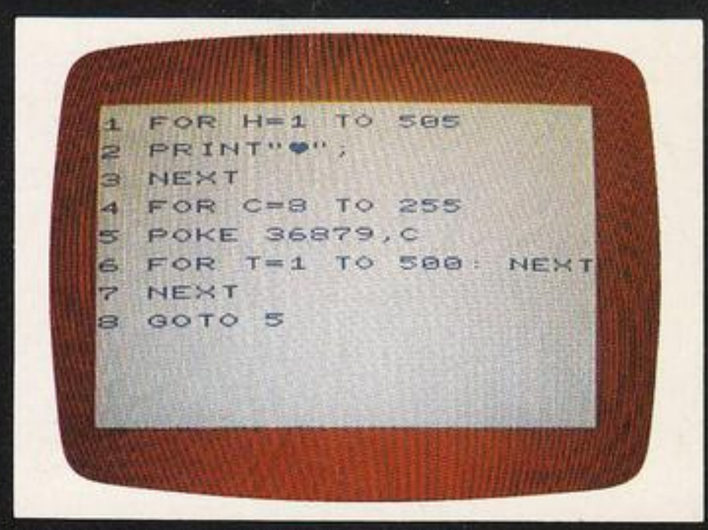
EDUCATION



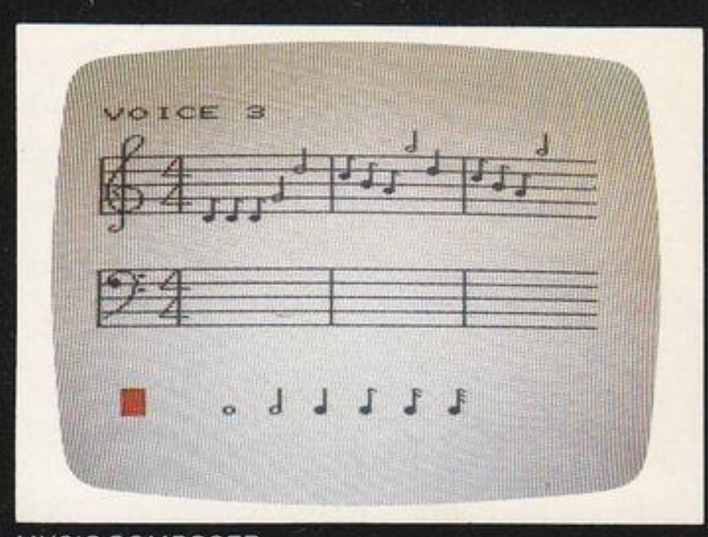
JUNIOR MATHS



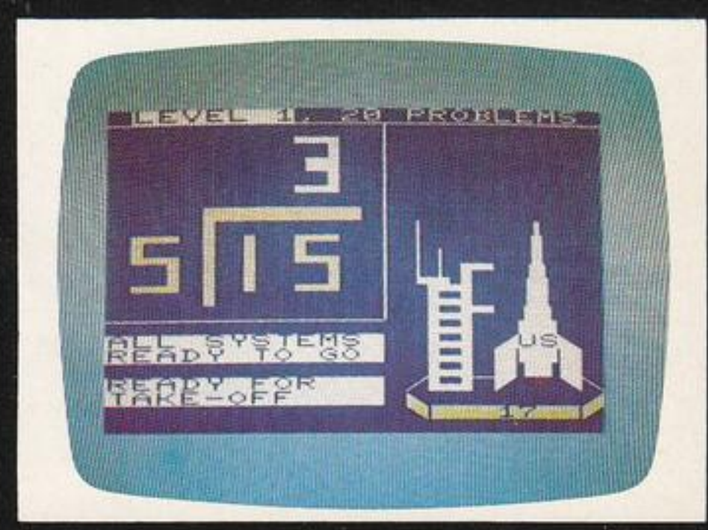
LANGUAGES



TEACH YOURSELF PROGRAMMING



MUSIC COMPOSER



SKYMATHS

TEACH YOURSELF COMPUTER PROGRAMMING

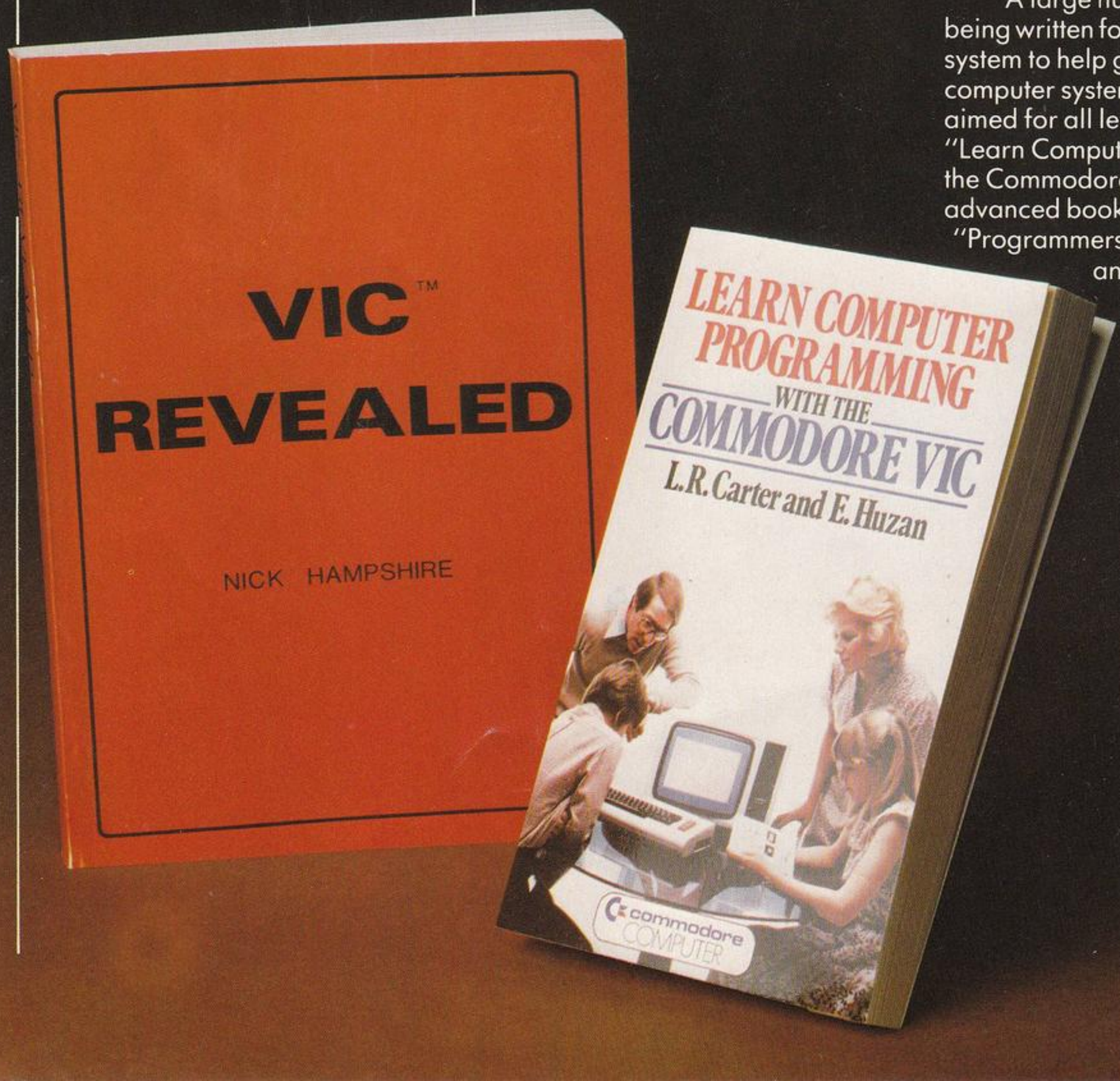
To help all VIC owners, Commodore are producing a special series of packs that will enable anyone (and we mean anyone!!) to become a good programmer. The series assumes no prior knowledge and uses a show and tell approach with easy step-by-step instructions. The series is divided into four separate sections so that you can decide how far you wish to go.

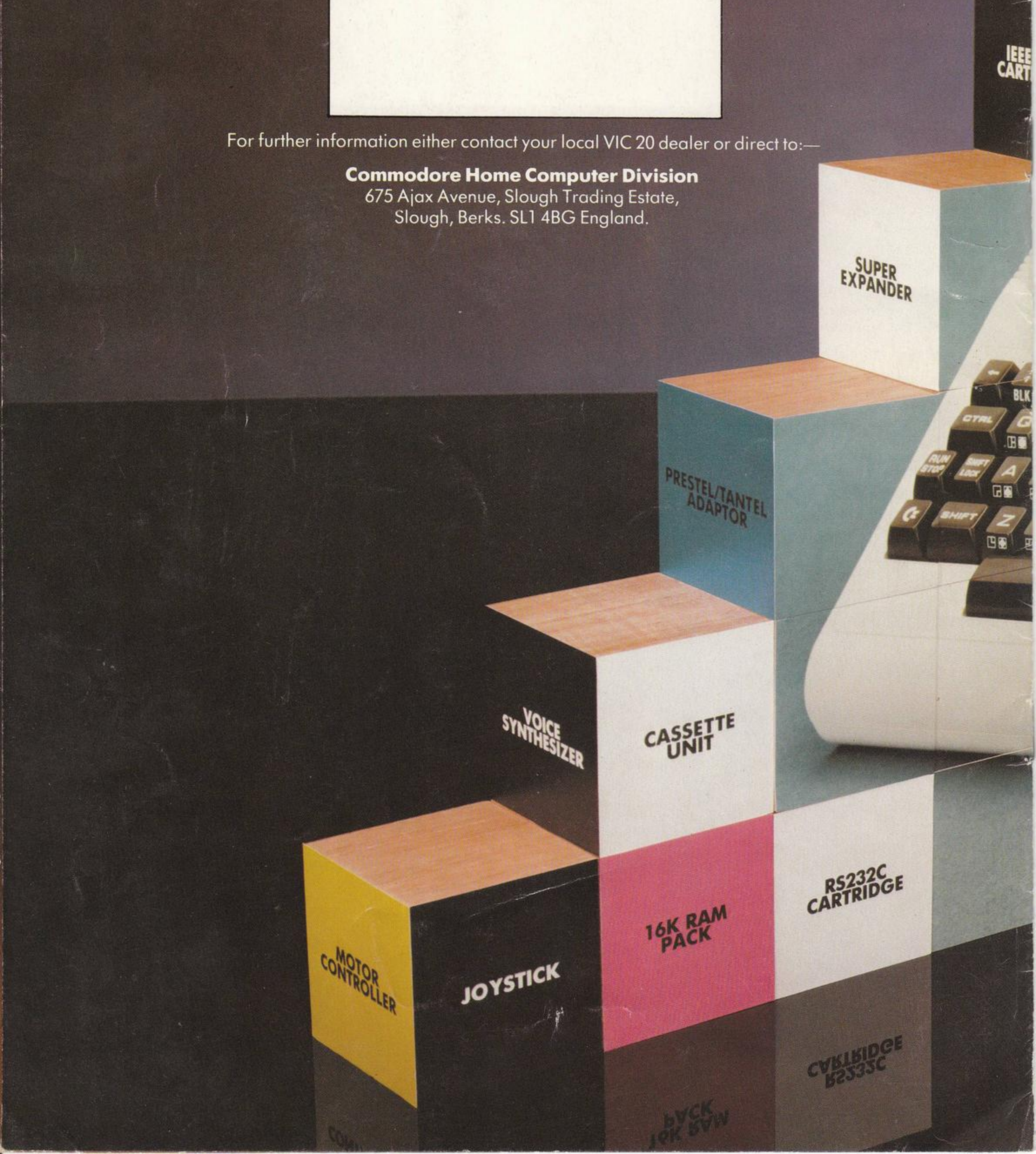
The four separate packs are:—

1) Introduction to BASIC Part 1
2) Introduction to BASIC Part 2
3) Advanced BASIC
4) Machine Code Programming.

BOOKS ON THE VIC

A large number of books are being written for the VIC 20 computer system to help get the most from your computer system. The books are aimed for all levels of interests from "Learn Computer Programming with the Commodore VIC" to the more advanced books such as the "Programmers Reference Guide" and "VIC Revealed".



For further information either contact your local VIC 20 dealer or direct to:—

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